

PC-0025 CIP

<110> Walker, Michael, G.

<120> Ankyrin Repeat Domain 2 Protein

<130> PC-0025 CIP

<140> To Be Assigned

<141> Herewith

<160> 13

<170> PERL Program

<210> 1

<211> 329

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5578191CD1

<400> 1

Met Glu Asp Ser Glu Ala Val Gln Arg Ala Thr Ala Leu Ile Glu
1 5 10 15
Gln Arg Leu Ala Gln Glu Glu Glu Asn Glu Lys Leu Arg Gly Asp
20 25 30
Thr Arg Gln Lys Leu Pro Met Asp Leu Leu Val Leu Glu Asp Glu
35 40 45
Lys His His Gly Ala Gln Ser Ala Ala Leu Gln Lys Val Lys Gly
50 55 60
Gln Glu Arg Val Arg Lys Thr Ser Leu Asp Leu Arg Arg Glu Ile
65 70 75
Ile Asp Val Gly Gly Ile Gln Asn Leu Ile Glu Leu Arg Lys Lys
80 85 90
Arg Lys Gln Lys Lys Arg Asp Ala Leu Ala Ala Ser His Glu Pro
95 100 105
Pro Pro Glu Pro Glu Glu Ile Thr Gly Pro Val Asp Glu Glu Thr
110 115 120
Phe Leu Lys Ala Ala Val Glu Gly Lys Met Lys Val Ile Glu Lys
125 130 135
Phe Leu Ala Asp Gly Gly Ser Ala Asp Thr Cys Asp Gln Phe Arg
140 145 150
Arg Thr Ala Leu His Arg Ala Ser Leu Glu Gly His Met Glu Ile
155 160 165
Leu Glu Lys Leu Leu Asp Asn Gly Ala Thr Val Asp Phe Gln Asp
170 175 180
Arg Leu Asp Cys Thr Ala Met His Trp Ala Cys Arg Gly Gly His
185 190 195
Leu Glu Val Val Lys Leu Leu Gln Ser His Gly Ala Asp Thr Asn
200 205 210
Val Arg Asp Lys Leu Leu Ser Thr Pro Leu His Val Ala Val Arg
215 220 225
Thr Gly Gln Val Glu Ile Val Glu His Phe Leu Ser Leu Gly Leu
230 235 240
Glu Ile Asn Ala Arg Asp Arg Glu Gly Asp Thr Ala Leu His Asp

PC-0025 CIP

	245	250	255
Ala Val Arg Leu	Asn Arg Tyr Lys Ile	Ile Lys Leu Leu Leu	Leu
260	265	270	
His Gly Ala Asp	Met Met Thr Lys Asn	Leu Ala Gly Lys Thr	Pro
275	280	285	
Thr Asp Leu Val	Gln Leu Trp Gln Ala	Asp Thr Arg His Ala	Leu
290	295	300	
Glu His Pro Glu	Pro Gly Ala Glu His	Asn Gly Leu Glu Gly	Pro
305	310	315	
Asn Asp Ser Gly	Arg Glu Thr Pro Gln	Pro Val Pro Ala Gln	
320	325		

<210> 2
<211> 1158
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 5578191CB1

<400> 2
cagctcgagg gacggcacca tggaggactc cgaggcggtg cagagggcca cagcgctcat 60
cgagcagcgg ctggcacagg aggaggagaa tgagaaaactc cgaggagaca cacgccagaa 120
gctgcccattg gacttgcgtt tgctggagga tgagaagcac cacggggctc agagtgcagc 180
cctgcagaag gtgaagggcc aagagcgcgt ggcgaagacg tccctggacc tgcggcgaaa 240
gatcatcgat gtggcgaaa tccagaacct catcgagctg cggaaagaaac gcaagcagaa 300
gaagcgggac gctctggccg cctcgatga gccccccca gagcccgagg agatcactgg 360
ccctgtggat gaggagacct tcctgaaagc tgcggtgag gggaaaatga aggtcattga 420
gaagttcctg gtcgacgggg ggtcagccga cacgtgcac cagttccgtc ggacagcact 480
gcaccgagct tccctggaaag gccacatgaa aatctggag aagcttctag ataatggggc 540
cactgtggac ttccaggatc ggctggactg cacagccatg cattgggcct gcccgggggg 600
ccacttagag gtggtaaac ttctgcaaag ccatggagca gacaccaatg tgagggataa 660
gctgctgagc accccctgc acgtggcagt ccggacaggg caggtggaga ttgtggagca 720
cttctatcc ctggcctgg aaatcaatgc cagagacagg gaagggata ctggccctgca 780
tgacgctgtg aggctcaacc gctacaaaaat catcaaactg ctgctcctgc atggggctga 840
catgatgacc aagaacctgg cagaaagac cccgacggac ctggcagggc tctggcaggc 900
tgatacccg cacgcctgg agcatctga gccggggct gaggataacg ggctggaggg 960
gcctaattgt agtggcgag agacccctca gcctgtgcca gcccagtgaa tgctgcccc 1020
agcccgcca gctaccctgc ccctcttgt gtgcagccgg agggtcctaa gaatggctcc 1080
cgagctaac tgagggccca gcctttttc tgcatgatcc aggagcacat accacaaact 1140
accacaataa aaaagctg 1158

<210> 3
<211> 576
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 972118R6

<400> 3
gacggcacca tggaggactc cgaggcggtg cagagggcca cagcgctcat cgagcagcgg 60
ctggcacagg aggaggagaa tgagaaaactc cgaggagacg cacgccagaa gctgcccattg 120
gacttgcgtt tgctggagga tgagaagcac cacggggctc agagtgcagc cctgcagaag 180

PC-0025 CIP

gtgaaggggcc aagagcgcgt ggcgaagacg tccctggacc tgcggcgaa gatcatcgat 240
gtggcgaaa tccagaacct catcgagctg cggaaagaaac gcaagcagaa gaagcgac 300
gctctggccg cctcgcatga gcccggccca gagcccgagg agatcactgg ccctgtggat 360
gaggagacct tcctgaaagc tgcgggtggag gggaaacatg aaggtcattg agaagttcct 420
ggctgacggg gggtcagccg acacgtgcga ccagttccgt cgacacacac tgccaccgagc 480
ttccctggaa gggccacatg gaaatctgg agaagcttct agataatggg gccactgtgg 540
acttccagga tcggctggac tgcacagcca tgcatt 576

<210> 4
<211> 253
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 4852018H1

<400> 4
ctggccctgt ggatgaggag actttcctga aagctgcgtt ggagggggaaa atgaaggtca 60
ttgagaagtt cctggctgac ggggggtcag ccgacacgtg cgaccaggcc cgtcgac 120
caactgcaccc agttccctg gaaggccaca tggaaatcct ggagaagctt ctgataatg 180
gggccactgt ggacttccag gatcggtctgg actgcacacgc catgcattgg gcctgcccg 240
ggggccactt aga 253

<210> 5
<211> 569
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 972118T6

<400> 5
gctcctggat catgcagaaa aaaggctggg ccctcagtta gctccggag ccattcttag 60
gaccctccgg ctgcacacag agaggggtctg ggtagctggc tgggctgggg cacgcattca 120
ctgggctggc acaggcttag gggctctcg cccactatca tttaggcccct ccagccgtt 180
atgctcagcc cccggcttag gatgccttag ggcgtgccgg gtatcagccct gccagagctg 240
caccaggtagtgcgggtct ttcctgcccag gttttggc atcatgtcag ccccatgcag 300
gagcagcagt ttgatgattt ttagcggtt gagcctcaca gcgtcatgca gggcagtatc 360
cccttcctgt tctctggcat tgatttccag gcccaggat agaaagtgtct ccacaatctc 420
cacctggccct gtccggactg ccacgtgcag cgggtgctc agcagcttat ccctcacatt 480
ggtgtctgtccatggcttt gcagaagttt caccacctct aagtggcccc cggggcaggc 540
ccaatgcatt gctgtgcagt ccagccgt 569

<210> 6
<211> 330
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7350215H1

<400> 6
acctggcagg aaagaccccg acggacctgg tgcagctctg gcaggctgat accccggcacg 60

PC-0025 CIP

ccctggagca tcctgagccg ggggctgagc ataacgggcg ggaggggcct aatgatagtg 120
ggcgagagac ccctcagccct gtgccagccc agtgaatgcg tgccccagcc cagccagcta 180
cccagccct ctctgtgtgc agccggaggg tcctaagaat ggctcccgga gctaactgag 240
ggcccagccct ttttctgca tgatccagga gcacatacca caaactacca caataaaaaaa 300
gctgtttttg ctaattgcga tgttcatttc 330

<210> 7
<211> 255
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<223> Incyte ID No: 700911986H1

<400> 7
tggaaaggcac catggagggt cccgaggctg tgcagagagc cacagagctc atcgagcagc 60
ggcttgccga ggaggaagag actgagaaac ttcaagagc cactcctggg aagacgtcca 120
tggacatgct agtgcttagag gacgagaagc gcctcggggt gcagagtctt gctttacaaa 180
agtttaaggg ccaagagcgc gtgcgcaaga catccctgga cttgcgacgt gagatcattg 240
acgtggcgg gatcc 255

<210> 8
<211> 275
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<223> Incyte ID No: 701144158H1

<400> 8
gcacatggag ggtcccgagg ctgtgcagag agccacagag ctcatcgagc agcggcttgc 60
cgaatgaagg agaagactga gaaacttcga agagccactc ctggaaagac gtccatggac 120
atgcttagtgc tagaggacga gaagcgcctg ggggtcagag tcctgctta caaaaggtta 180
agggccaaga gcgcgtgcgc aagacatccc tggacttgcg acgtgagatc attgacgtgg 240
gcgggatcca gaacctata gaactgagga aaaaa 275

<210> 9
<211> 315
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<223> Incyte ID No: 700188047H1

<220>
<221> unsure
<222> 54, 80, 121
<223> a, t, c, g, or other

<400> 9
attcctgaaa gcagcggtgg agggaaaaat caaagtatt gacaagtacc tggagnacgg 60
agttcggca gacacctgtt atgagttccg tcggacagca ctgcattggg cttccctgga 120
nggacacatgtt gagatactgg agaaacttct ggagaatggg gccaccgtgg acttccagga 180

PC-0025 CIP

tcgcctggac tgcacagcca tgcactggc ctgcccgtgga ggccacacctgg aggtggtgaa 240
atcttgcaaa gtcggggggc caacaccgac gtgagagaca agctatgagc actccccctgc 300
atgtgggcgt ccgta 315

<210> 10
<211> 207
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<223> Incyte ID No: 700913268H1

<400> 10
atcaatgcc aagacagaga aggggacagt gccctgcatt atgcccgtgag actcaaccgc 60
tacaaaatca tcaaactgct gctttgcatt gggccagaca tgatggctaa gaatatggcg 120
ggaaagaccc ctaccgaccc ggtccagctg tggcaagcag acaccggca tgccctggag 180
caccctgaac cagaatcaga gcagaac 207

<210> 11
<211> 328
<212> PRT
<213> Mus musculus

<220>
<221> misc_feature
<223> Incyte ID No: g9501360

<400> 11
Met Glu Gly Pro Glu Ala Val Gln Arg Ala Thr Glu Leu Ile Glu
1 5 10 15
Gln Arg Leu Ala Gln Glu Glu Glu Thr Glu Lys Leu Arg Arg Ser
20 25 30
Ala Pro Gly Lys Leu Ser Met Asp Met Leu Val Leu Glu Glu Glu
35 40 45
Lys Arg Leu Gly Val Gln Ser Pro Ala Leu Gln Lys Val Lys Gly
50 55 60
Gln Glu Arg Val Arg Lys Thr Ser Leu Asp Leu Arg Arg Glu Ile
65 70 75
Ile Asp Val Gly Ile Gln Asn Leu Ile Glu Leu Arg Lys Lys
80 85 90
Arg Lys Gln Lys Lys Arg Asp Ala Leu Ala Ala Gln Glu Pro
95 100 105
Pro Pro Glu Pro Glu Glu Ile Thr Gly Pro Val Asn Glu Glu Thr
110 115 120
Phe Leu Lys Ala Ala Val Glu Gly Lys Met Lys Val Ile Asp Lys
125 130 135
Tyr Leu Ala Asp Gly Gly Ser Ala Asp Thr Cys Asp Glu Phe Arg
140 145 150
Arg Thr Ala Leu His Arg Ala Ser Leu Glu Gly His Met Glu Ile
155 160 165
Leu Glu Lys Leu Leu Glu Asn Gly Ala Thr Val Asp Phe Gln Asp
170 175 180
Arg Leu Asp Cys Thr Ala Met His Trp Ala Cys Arg Gly Gly His
185 190 195
Leu Glu Val Val Arg Leu Leu Gln Ser Arg Gly Ala Asp Thr Asn

	200		205		210									
Val	Arg	Asp	Lys	Leu	Leu	Ser	Thr	Pro	Leu	His	Val	Ala	Val	Arg
				215					220					225
Thr	Gly	His	Val	Glu	Ile	Val	Glu	His	Phe	Leu	Ser	Leu	Gly	Leu
				230					235					240
Asp	Ile	Asn	Ala	Lys	Asp	Arg	Glu	Gly	Asp	Ser	Ala	Leu	His	Asp
				245					250					255
Ala	Val	Arg	Leu	Asn	Arg	Tyr	Lys	Ile	Ile	Lys	Leu	Leu	Leu	Leu
				260					265					270
His	Gly	Ala	Asp	Met	Met	Ala	Lys	Asn	Leu	Ala	Gly	Lys	Thr	Pro
				275					280					285
Thr	Asp	Leu	Val	Gln	Leu	Trp	Gln	Ala	Asp	Thr	Arg	His	Ala	Leu
				290					295					300
Glu	His	Pro	Glu	Pro	Glu	Ser	Glu	Gln	Asn	Gly	Leu	Glu	Arg	Pro
				305					310					315
Gly	Ser	Gly	Arg	Glu	Thr	Pro	Gln	Pro	Ile	Pro	Ala	Gln		
				320					325					

<210> 12

<211> 328

<212> PRT

<213> Mus musculus

<220>

<221> misc_feature

<223> Incyte ID No: g5420272

<400> 13

Met	Glu	Gly	Pro	Glu	Ala	Val	Gln	Arg	Ala	Thr	Glu	Leu	Ile	Glu
1				5					10					15
Gln	Arg	Leu	Ala	Gln	Glu	Glu	Glu	Thr	Glu	Lys	Leu	Arg	Arg	Ser
				20					25					30
Ala	Pro	Gly	Lys	Leu	Ser	Met	Asp	Met	Leu	Val	Leu	Glu	Glu	
				35					40					45
Lys	Arg	Leu	Gly	Val	Gln	Ser	Pro	Ala	Leu	Gln	Lys	Val	Lys	Gly
				50					55					60
Gln	Glu	Arg	Val	Arg	Lys	Thr	Ser	Leu	Asp	Leu	Arg	Arg	Glu	Ile
				65					70					75
Ile	Asp	Val	Gly	Gly	Ile	Gln	Asn	Leu	Ile	Glu	Leu	Arg	Lys	
				80					85					90
Arg	Lys	Gln	Lys	Lys	Arg	Asp	Ala	Leu	Ala	Ala	Gln	Glu	Pro	
				95					100					105
Pro	Pro	Glu	Pro	Glu	Glu	Ile	Thr	Gly	Pro	Val	Asn	Glu	Glu	Thr
				110					115					120
Phe	Leu	Lys	Ala	Ala	Val	Glu	Gly	Lys	Met	Lys	Val	Ile	Asp	Lys
				125					130					135
Tyr	Leu	Ala	Asp	Gly	Gly	Ser	Ala	Asp	Thr	Cys	Asp	Glu	Phe	Arg
				140					145					150
Arg	Thr	Ala	Leu	His	Arg	Ala	Ser	Leu	Glu	Gly	His	Met	Glu	Ile
				155					160					165
Leu	Glu	Lys	Leu	Leu	Glu	Asn	Gly	Ala	Thr	Val	Asp	Phe	Gln	Asp
				170					175					180
Arg	Leu	Asp	Cys	Thr	Ala	Met	His	Trp	Ala	Cys	Arg	Gly	Gly	His
				185					190					195
Leu	Glu	Val	Val	Arg	Leu	Leu	Gln	Ser	Arg	Gly	Ala	Asp	Thr	Asn
				200					205					210

PC-0025 CIP

Val	Arg	Asp	Lys	Leu	Leu	Ser	Thr	Pro	Leu	His	Val	Ala	Val	Arg
				215					220					225
Thr	Gly	His	Val	Glu	Ile	Val	Glu	His	Phe	Leu	Ser	Leu	Gly	Leu
				230					235					240
Asp	Ile	Asn	Ala	Lys	Asp	Arg	Glu	Gly	Asp	Ser	Ala	Leu	His	Asp
				245					250					255
Ala	Val	Arg	Leu	Asn	Arg	Tyr	Lys	Ile	Ile	Lys	Leu	Leu	Leu	Leu
				260					265					270
His	Gly	Ala	Asp	Met	Met	Ala	Lys	Asn	Leu	Ala	Gly	Lys	Thr	Pro
				275					280					285
Thr	Asp	Leu	Val	Gln	Leu	Trp	Gln	Ala	Asp	Thr	Arg	His	Ala	Leu
				290					295					300
Glu	His	Pro	Glu	Pro	Glu	Ser	Glu	Gln	Asn	Gly	Leu	Glu	Arg	Pro
				305					310					315
Gly	Ser	Gly	Arg	Glu	Thr	Pro	Gln	Pro	Ile	Pro	Ala	Gln		
				320					325					